

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX070620\
 Data File : VX017185.D
 Acq On : 06 Jul 2020 21:43
 Operator : JC/SP
 Sample : L3159-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20200629

Quant Time: Jul 07 06:54:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	270398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	437319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	461904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	250691	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	168609	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	5.46	113	146787	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	8.70	98	534703	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	11.12	95	224852	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	

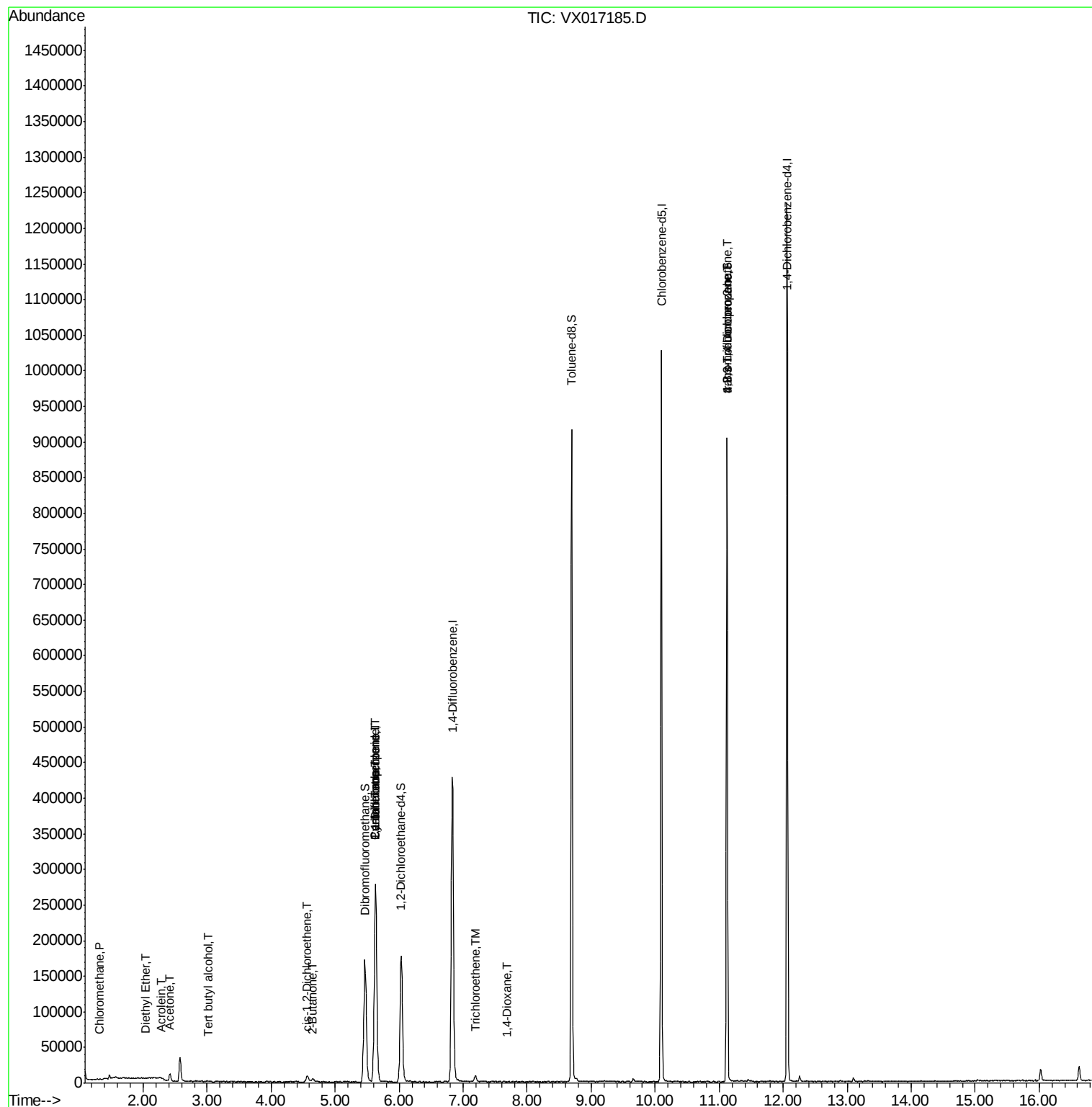
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	809	0.255	ug/l #	86
8) Diethyl Ether	2.04	74	144	0.463	ug/l	83
11) Tert butyl alcohol	3.02	59	1399	2.200	ug/l #	79
13) Acrolein	2.28	56	149	0.392	ug/l #	15
16) Acetone	2.42	43	10425	8.360	ug/l	96
20) Methylene Chloride	2.84	84	430	Below Cal	#	91
25) 2-Butanone	4.65	43	2537	1.221	ug/l #	85
27) cis-1,2-Dichloroethene	4.56	96	5037	1.497	ug/l	87
31) Cyclohexane	5.62	56	4945	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19103	4.622	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25889	5.687	ug/l #	18
44) Trichloroethene	7.20	130	3038	0.601	ug/l	97
49) 1,4-Dioxane	7.68	88	29	0.387	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	112687	22.859	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	112687	59.196	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	276	Below Cal		81

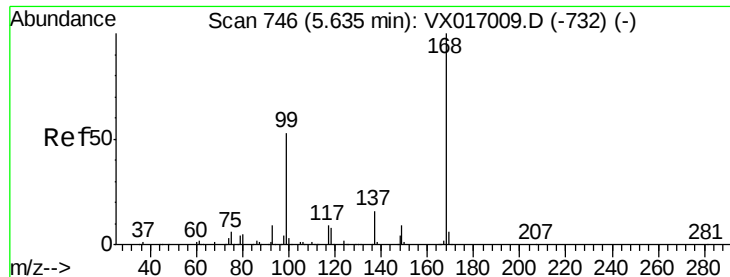
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 07 06:54:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

Instrument :

MSVOA_X

ClientSampleId :

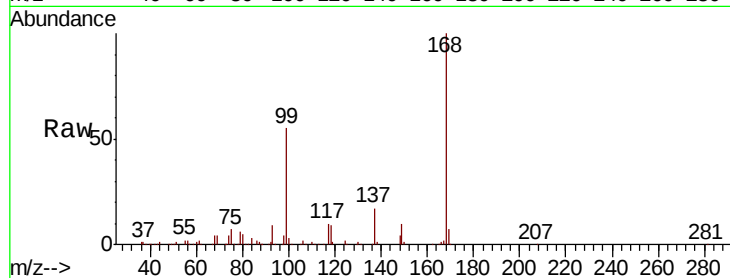
DUP05-20200629

Tot Ion:168 Resp: 270398

Ion Ratio Lower Upper

168 100

99 54.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

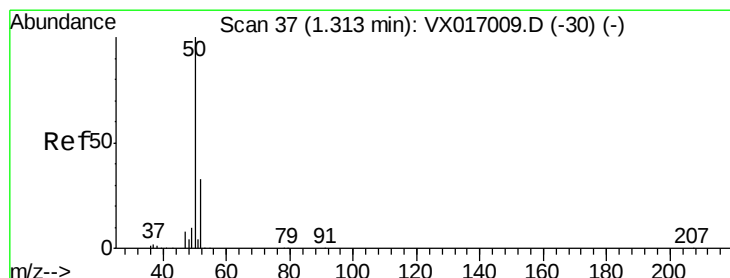
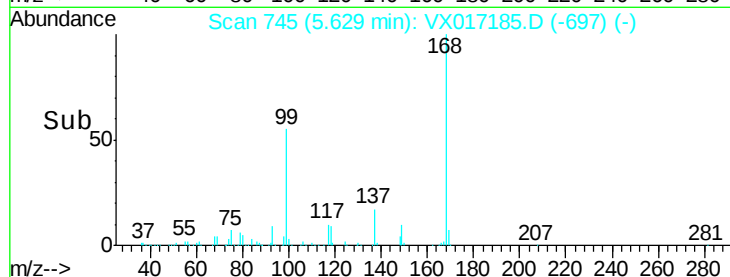
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.255 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017185.D

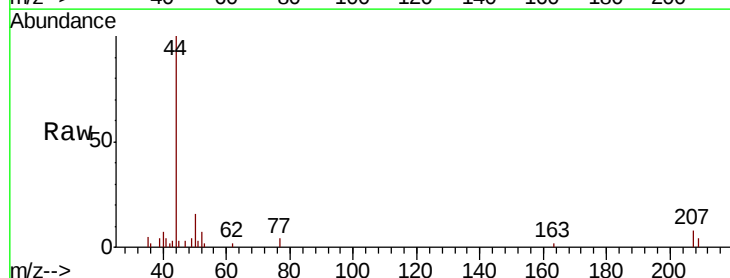
Acq: 06 Jul 2020 21:43

Tgt Ion: 50 Resp: 809

Ion Ratio Lower Upper

50 100

52 40.6 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

500

400

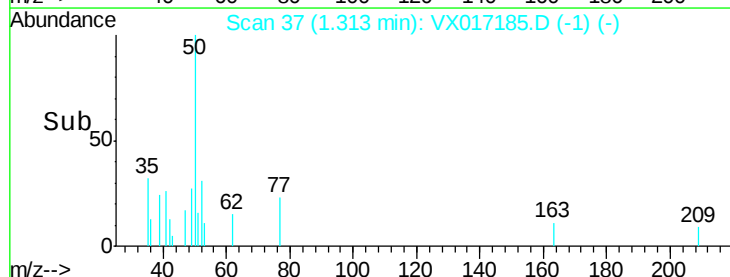
300

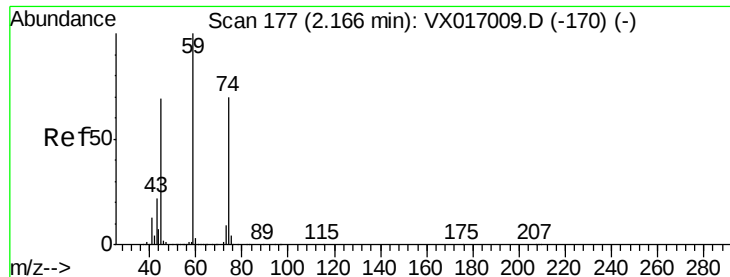
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.463 ug/l

RT: 2.04 min Scan# 156

Delta R.T. -0.13 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

Instrument :

MSVOA_X

ClientSampleId :

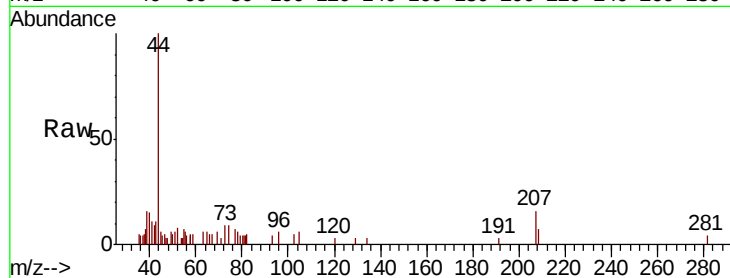
DUP05-20200629

Tot Ion: 74 Resp: 144

Ion Ratio Lower Upper

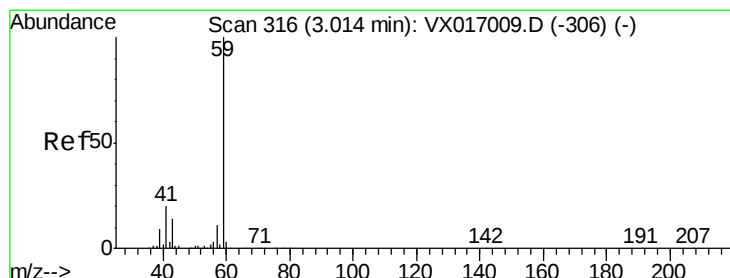
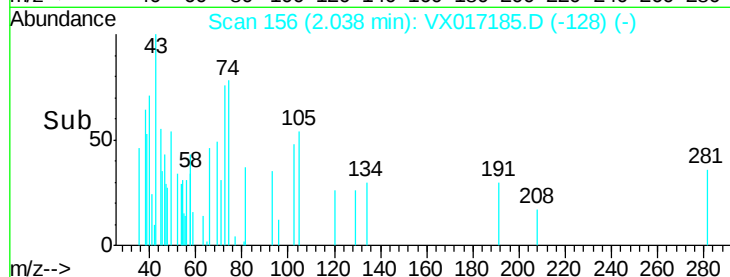
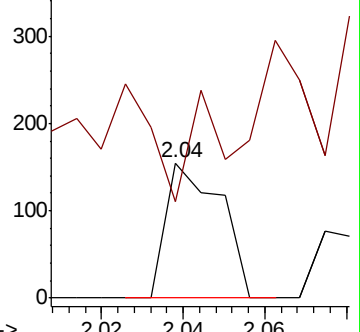
74 100

45 116.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 2.200 ug/l

RT: 3.02 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX017185.D

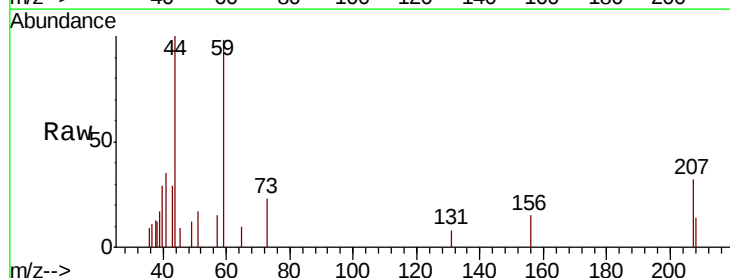
Acq: 06 Jul 2020 21:43

Tgt Ion: 59 Resp: 1399

Ion Ratio Lower Upper

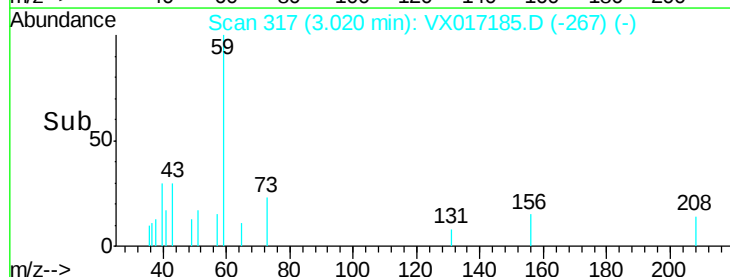
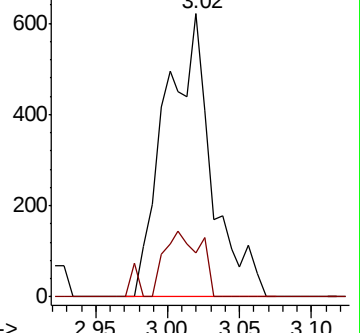
59 100

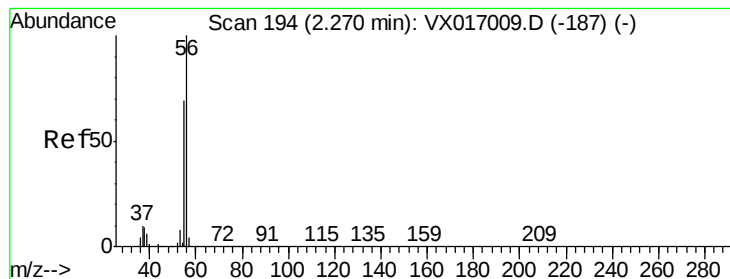
57 18.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.392 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

Instrument :

MSVOA_X

ClientSampleId :

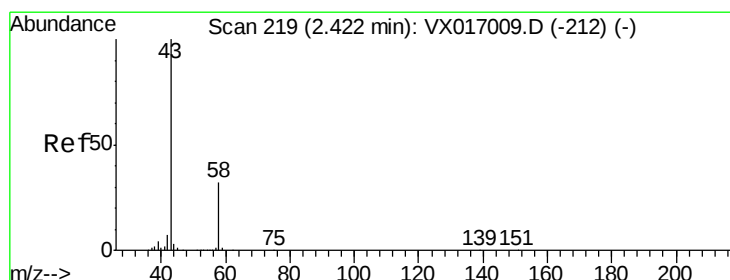
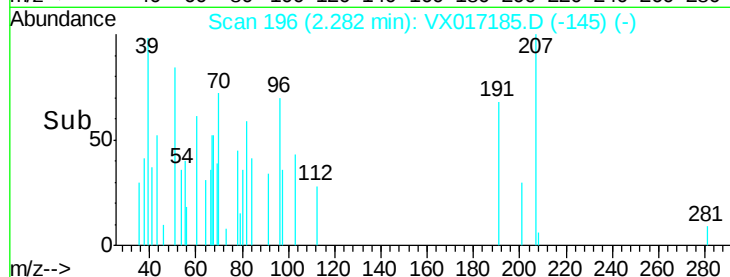
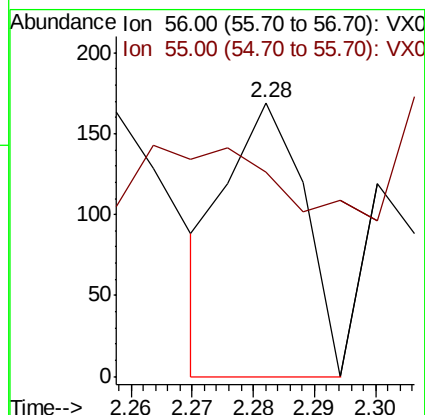
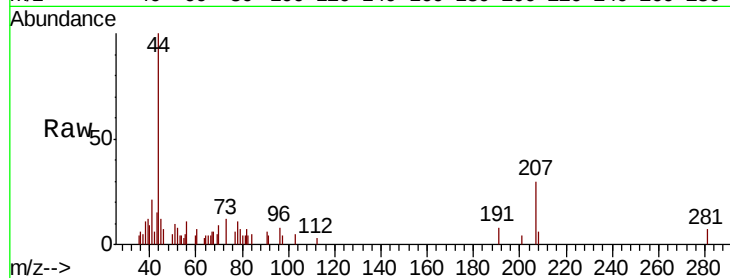
DUP05-20200629

Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 8.360 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017185.D

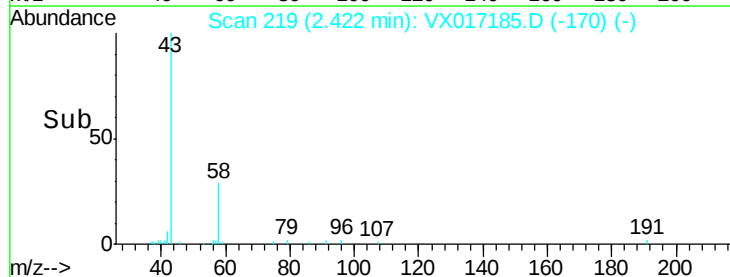
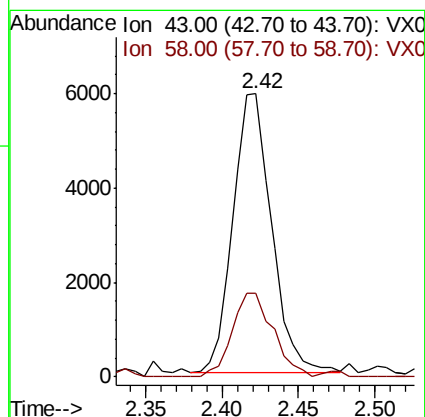
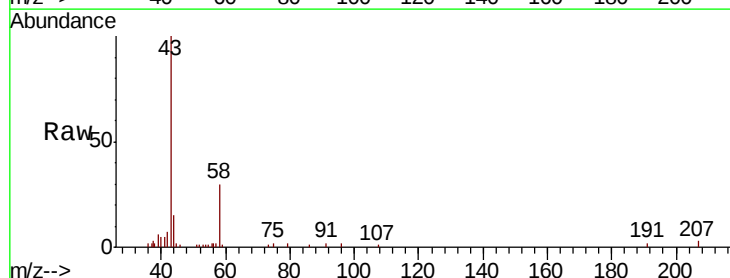
Acq: 06 Jul 2020 21:43

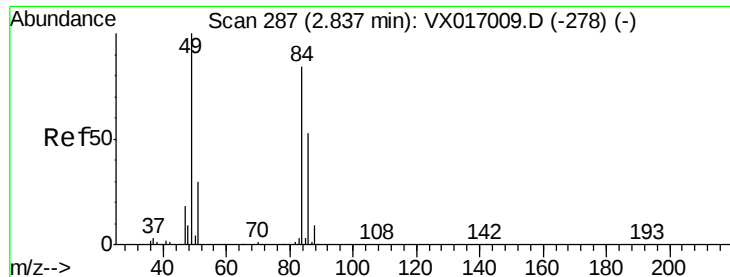
Tgt Ion: 43 Resp: 10425

Ion Ratio Lower Upper

43 100

58 29.9 25.7 38.5

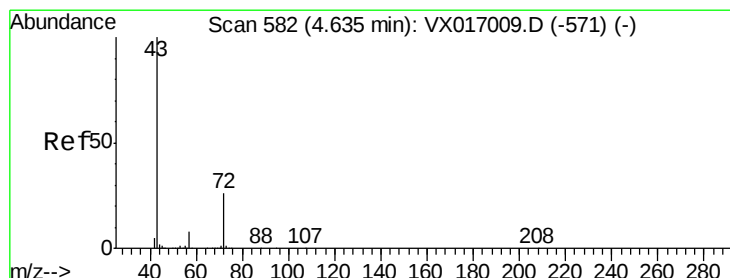
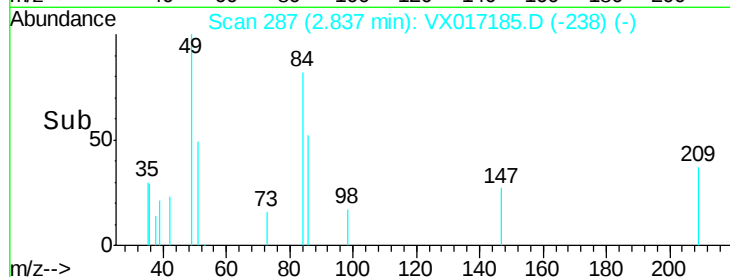
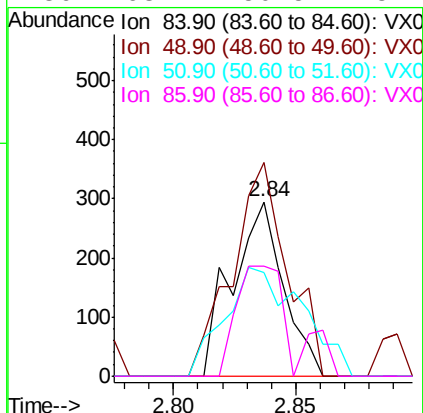
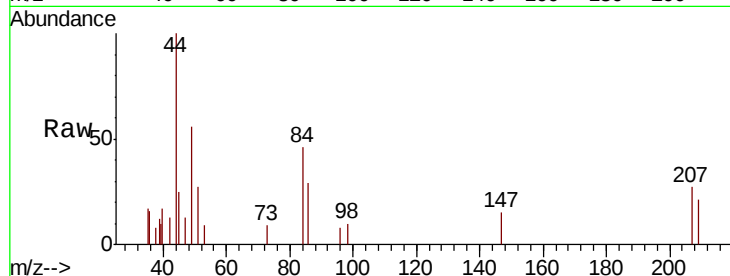




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

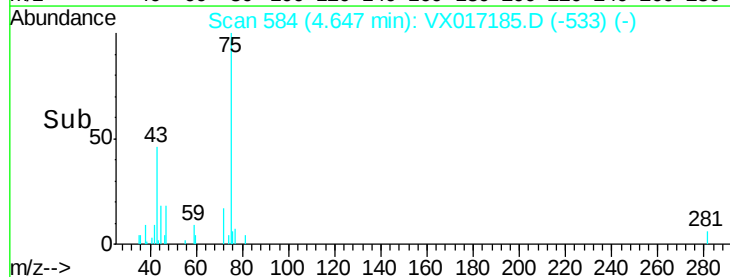
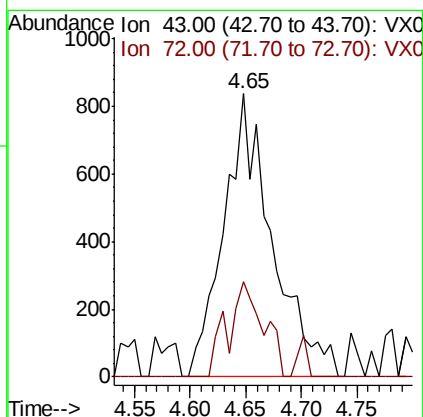
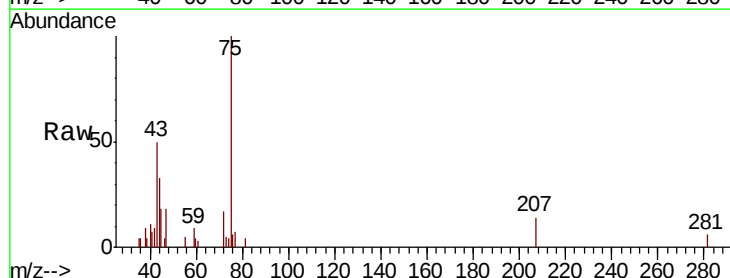
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

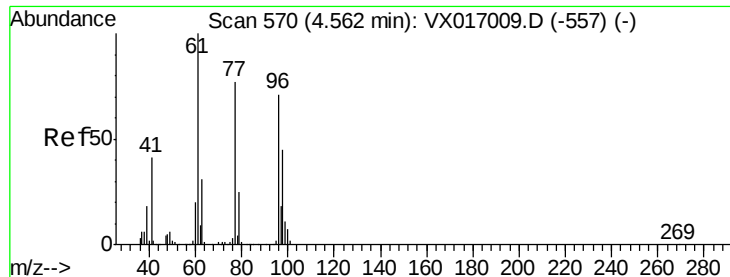
Tot Ion: 84 Resp: 430
Ion Ratio Lower Upper
84 100
49 122.4 94.7 142.1
51 59.7 28.6 42.8#
86 63.1 50.5 75.7



#25
2-Butanone
Concen: 1.221 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

Tgt Ion: 43 Resp: 2537
Ion Ratio Lower Upper
43 100
72 33.7 20.8 31.2#



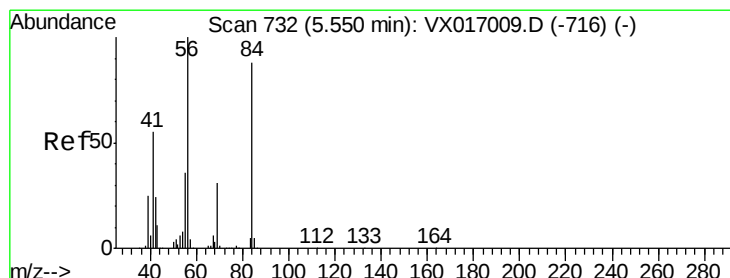
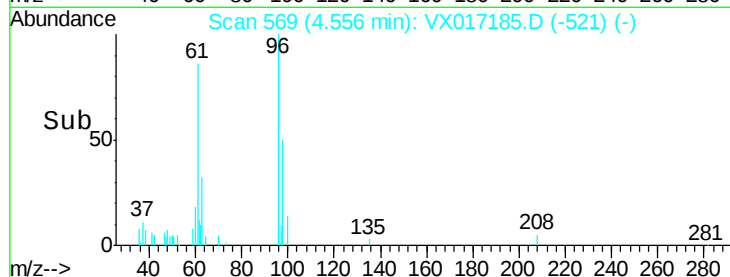
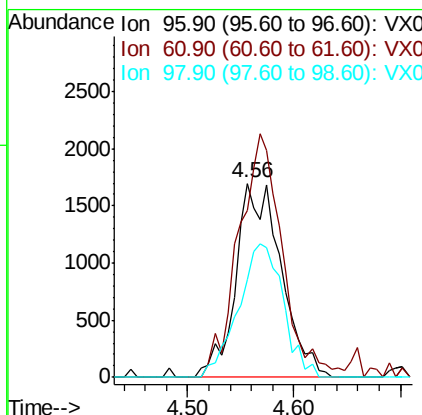
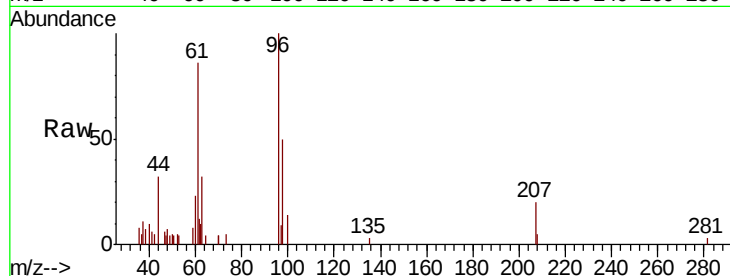


#27

cis-1,2-Dichloroethene
Concen: 1.497 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

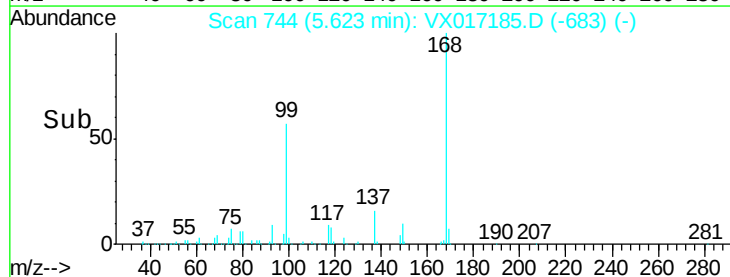
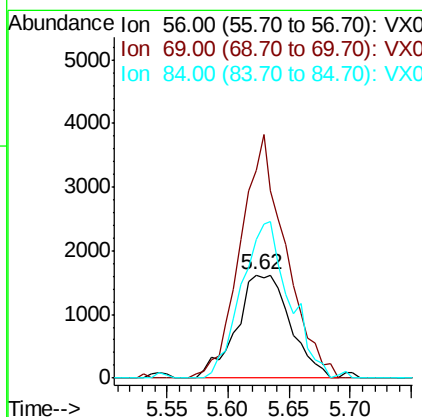
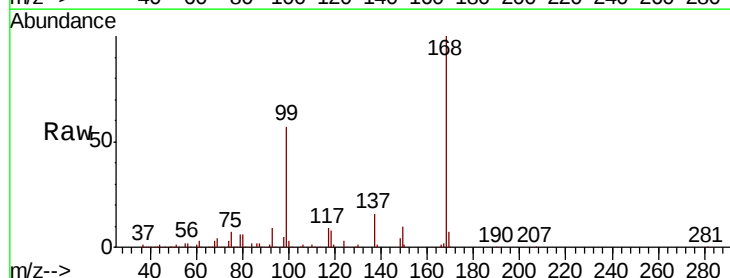
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.2	0.0	282.8
98	68.3	0.0	127.6

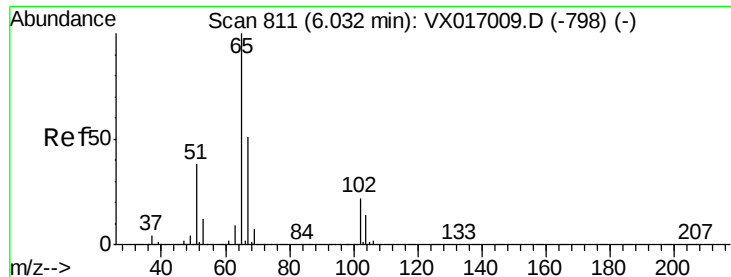


#31

Cyclohexane
Concen: 1.099 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	201.4	25.0	37.4#
84	133.8	69.1	103.7#

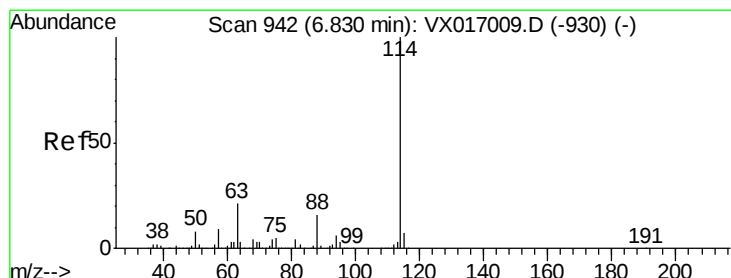
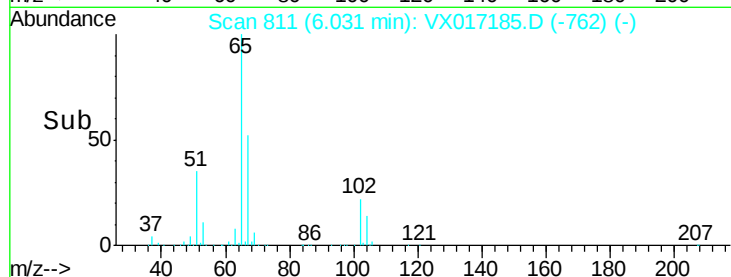
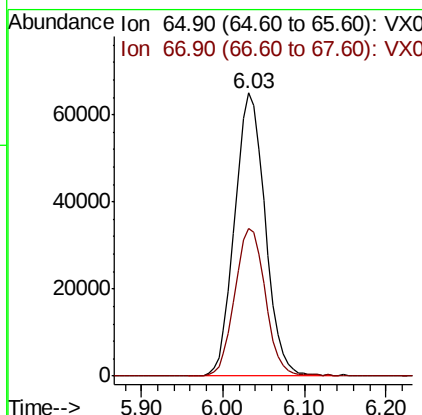
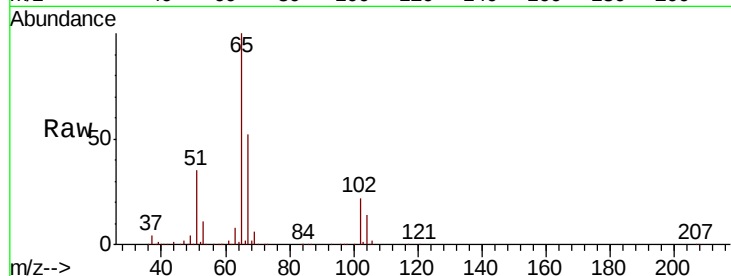




#33
 1,2-Dichloroethane-d4
 Concen: 50.581 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017185.D
 Acq: 06 Jul 2020 21:43

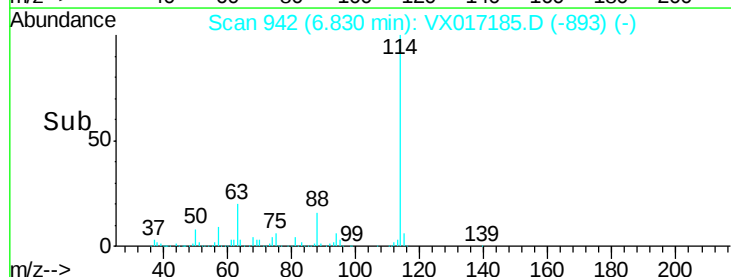
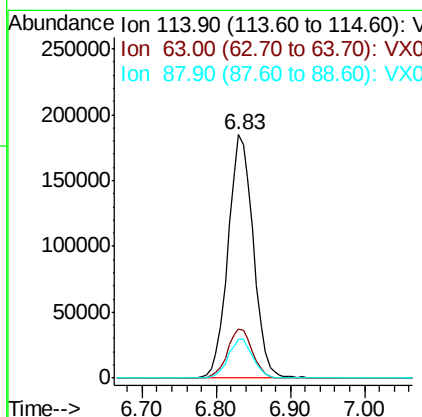
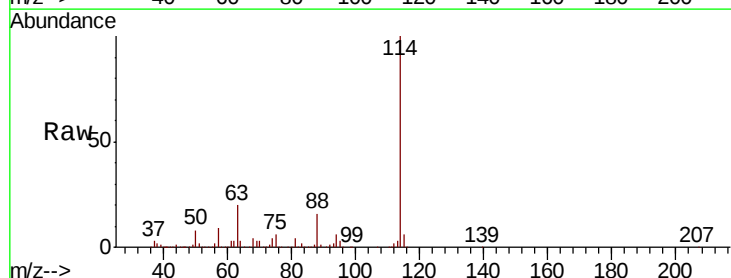
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20200629

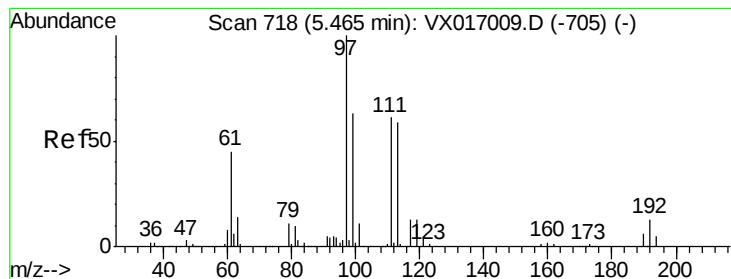
Tot Ion: 65 Resp: 168609
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017185.D
 Acq: 06 Jul 2020 21:43

Tgt Ion: 114 Resp: 437319
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.062 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20200629

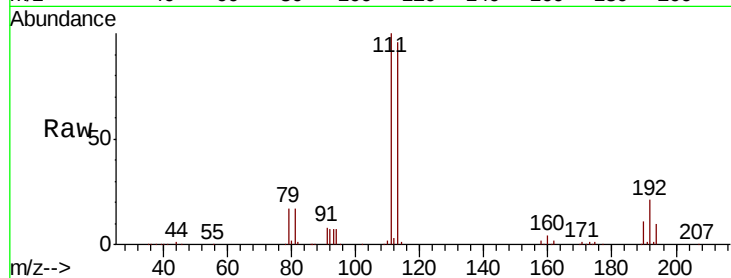
Tot Ion:113 Resp: 146787

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

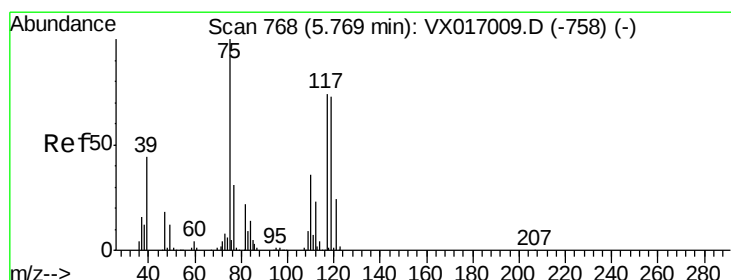
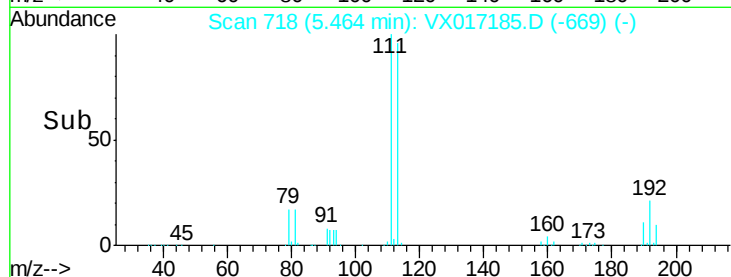
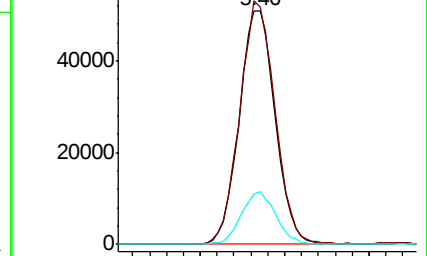
192 21.7 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.622 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

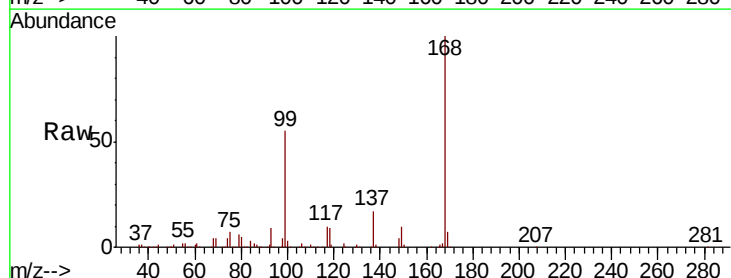
Tgt Ion: 75 Resp: 19103

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.1#

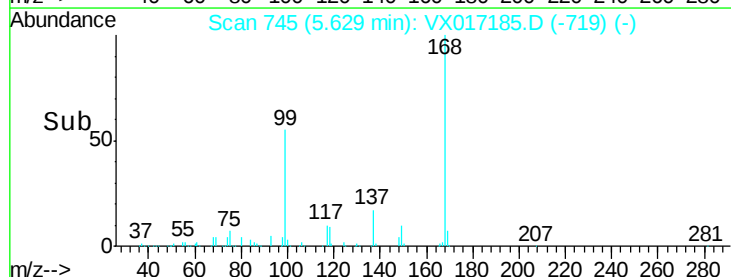
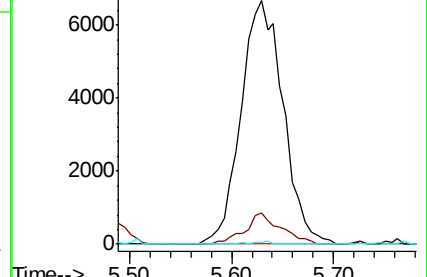
77 0.5 24.6 37.0#

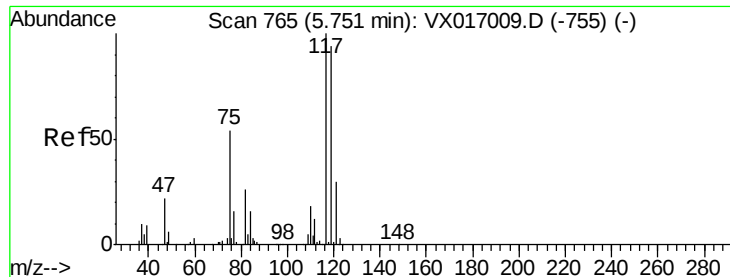


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20200629

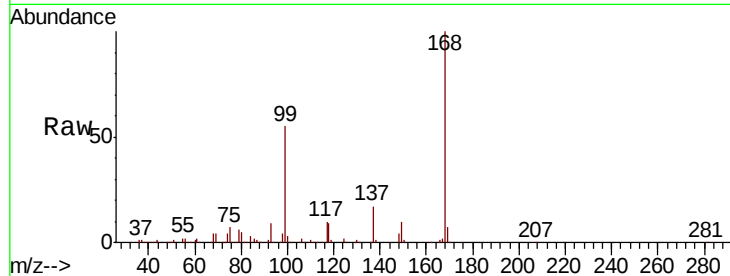
Tot Ion:117 Resp: 25889

Ion Ratio Lower Upper

117 100

119 6.3 75.4 113.0#

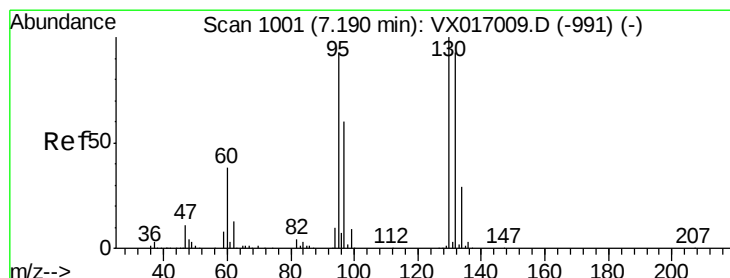
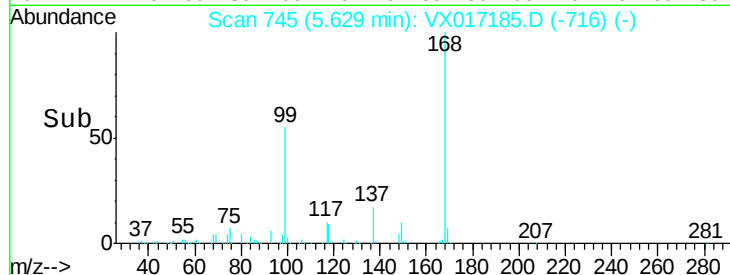
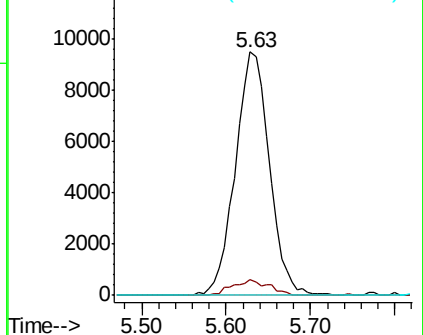
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.601 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017185.D

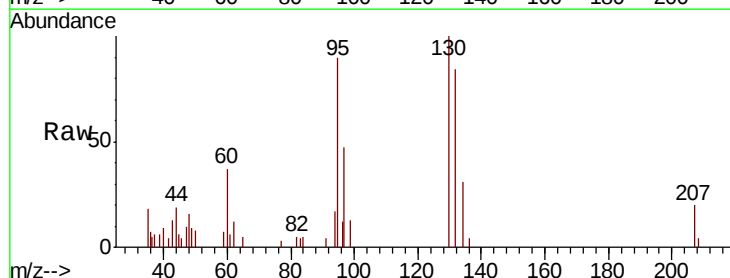
Acq: 06 Jul 2020 21:43

Tgt Ion:130 Resp: 3038

Ion Ratio Lower Upper

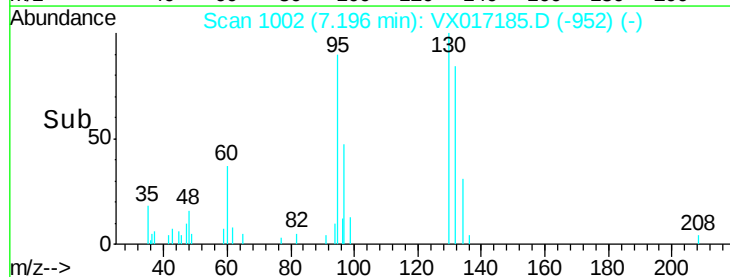
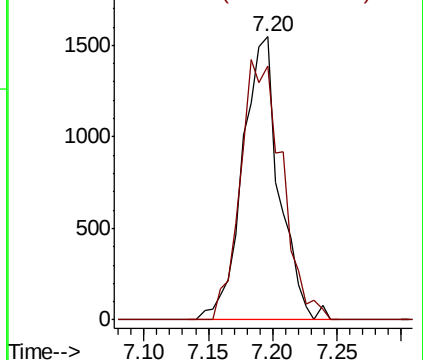
130 100

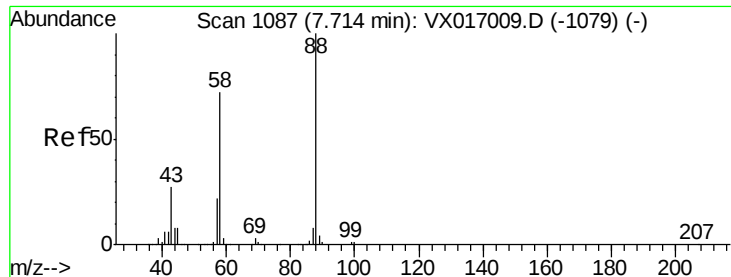
95 89.8 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

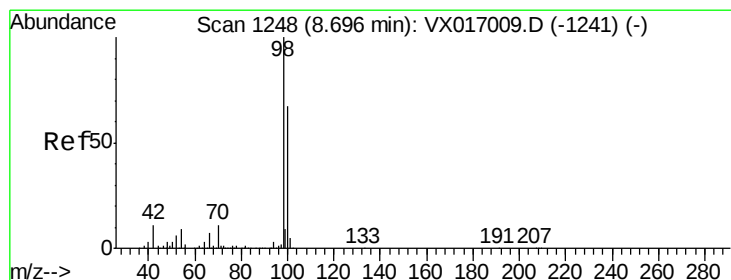
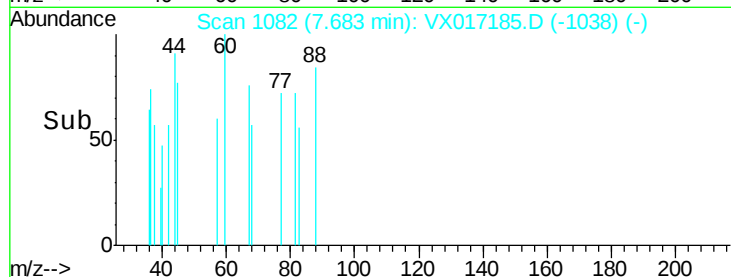
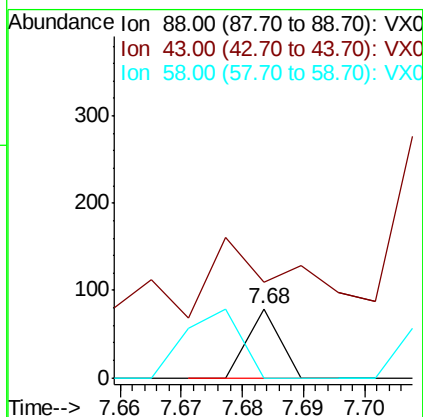
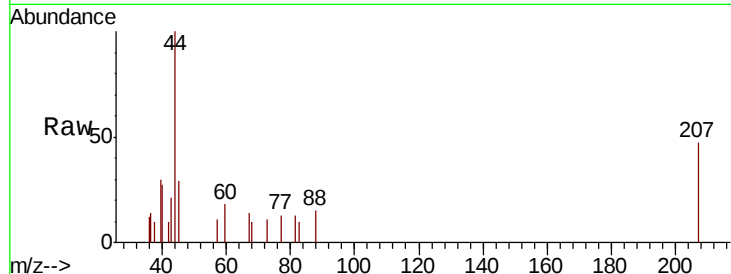




#49
1,4-Dioxane
Concen: 0.387 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

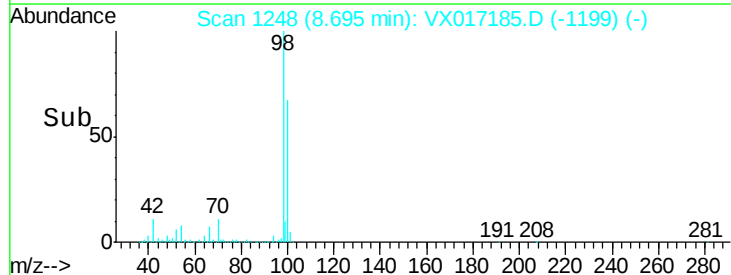
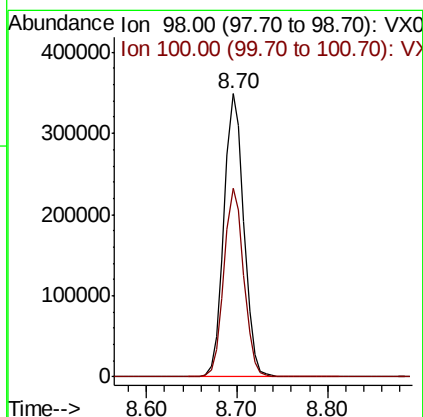
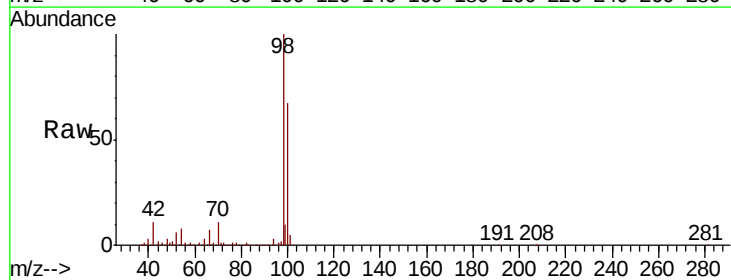
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

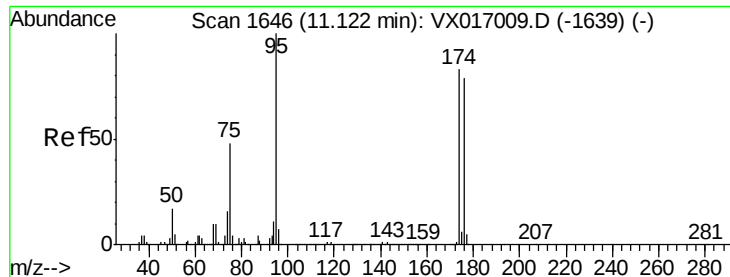
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 406.9 25.8 38.8#
58 169.0 54.8 82.2#



#50
Toluene-d8
Concen: 52.271 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

Tgt Ion: 98 Resp: 534703
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.6

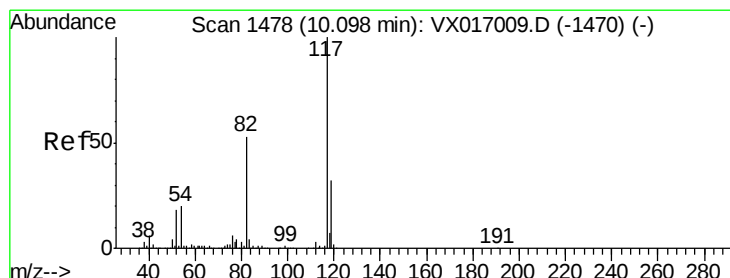
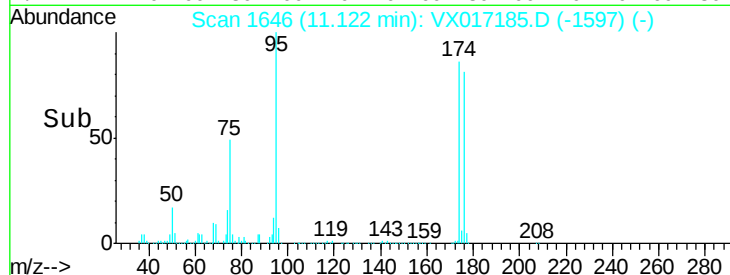
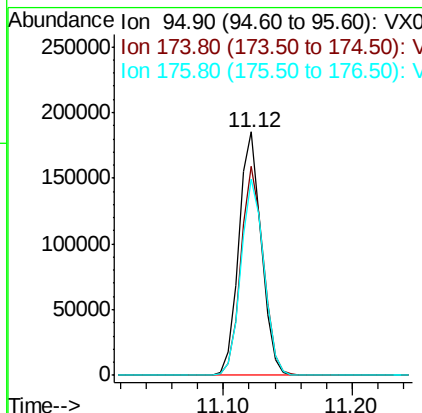
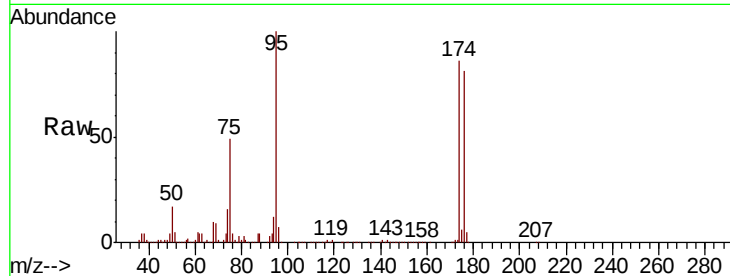




#62
4-Bromofluorobenzene
Concen: 56.230 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

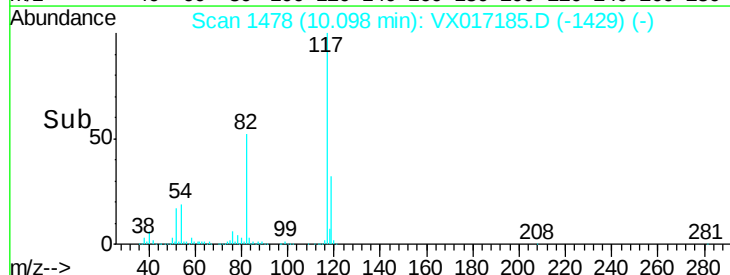
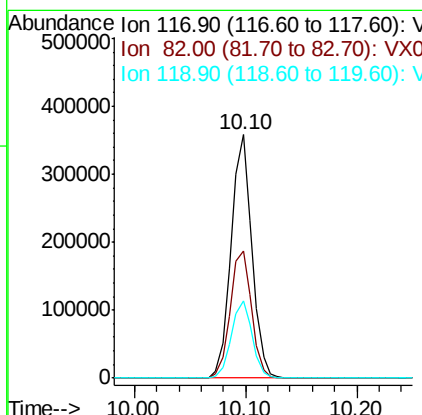
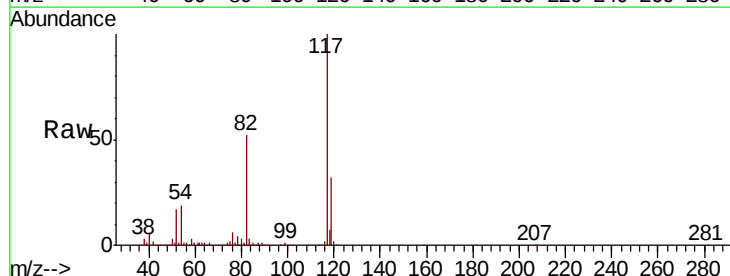
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20200629

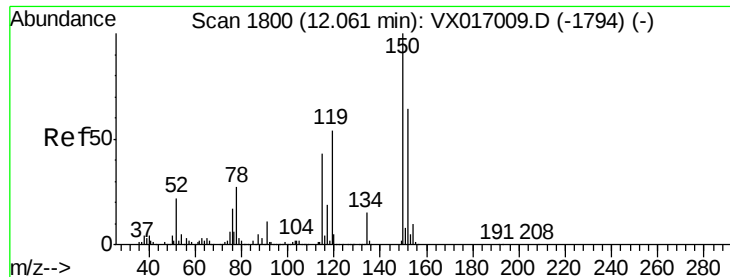
Tot Ion	95	Resp	224852
Ion Ratio	100		
Lower			
Upper			
174	85.7	0.0	164.0
176	81.8	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017185.D
Acq: 06 Jul 2020 21:43

Tgt Ion	117	Resp	461904
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	52.5	42.6	63.8
119	31.6	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20200629

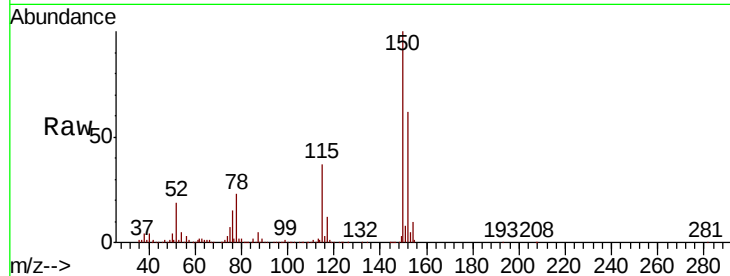
Tot Ion:152 Resp: 250691

Ion Ratio Lower Upper

152 100

115 56.9 40.9 122.7

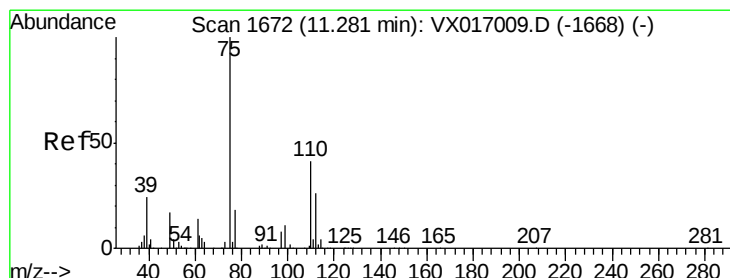
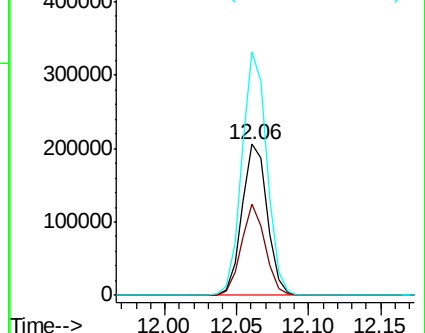
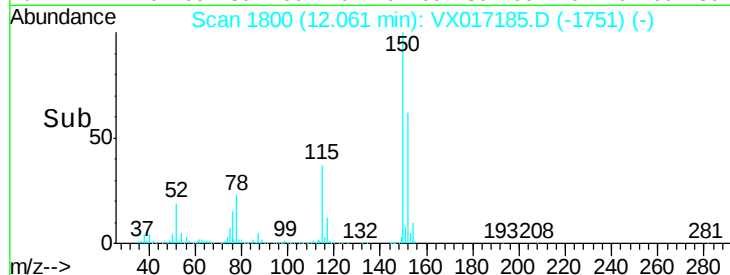
150 159.1 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.859 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017185.D

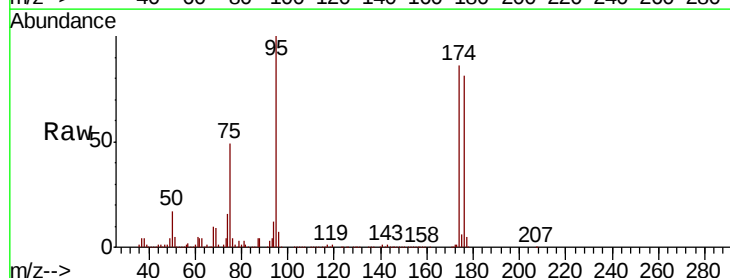
Acq: 06 Jul 2020 21:43

Tgt Ion: 75 Resp: 112687

Ion Ratio Lower Upper

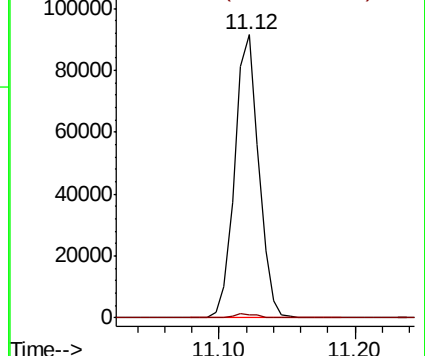
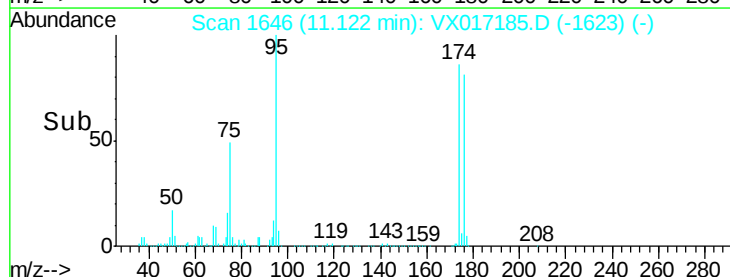
75 100

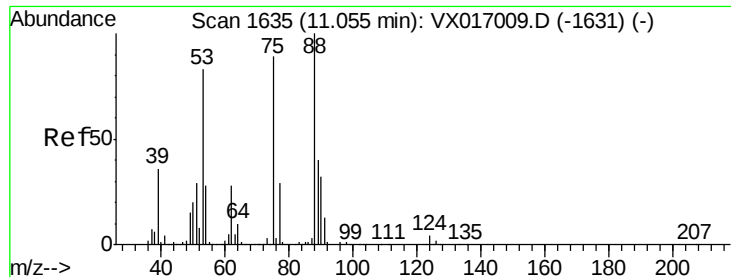
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.196 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017185.D

Acq: 06 Jul 2020 21:43

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20200629

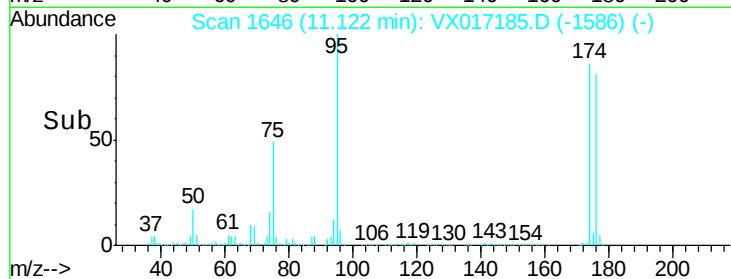
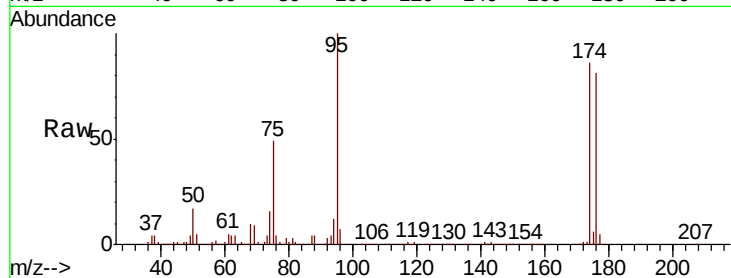
Tot Ion: 75 Resp: 112687

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

